

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L2 | 10 | (sag with (mirror reflector lens concave convex)) and resonator and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 12:32 |
| L3 | 240 | (the width near (mirror reflector lens))and resonator and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 12:49 |
| L4 | 10 | (sag with (mirror reflector lens concave convex)) and resonator and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 12:32 |
| L5 | 2 | ("4803694").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/06 12:46 |
| L6 | 9 | (the width near (mirror reflector lens))and resonator and (length near cavity) and ((width thickness) near (mirror lens)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 12:50 |
| L7 | 65 | resonator and (length near cavity) and ((width thickness) near (mirror lens)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 13:37 |
| L8 | 2 | ("6645784").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/06 13:39 |
| L9 | 2 | ("5317447").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/06 13:54 |
| L10 | 2 | ("5418641").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/06 13:54 |

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| L11 | 14 | ("3982201" "4231838" "4305778" "4653056" "4688884" "4710940" "4762786" "4763975" "4811349" "5022043" "5060233" "5090019" "5105434" "5159605").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:58 |
| L12 | 6 | ("3808554" "3825856" "4291281" "4477909" "4769614" "4797893").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/06 13:59 |
| S1 | 250 | (optical adj3 resonator) and ((diameter or radius) near2 mirror\$2) and mode\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/06/05 14:11 |
| S2 | 113 | (optical adj3 resonator) and ((diameter or radius) near mirror\$2) and mode\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 12:55 |
| S4 | 38 | (optical adj3 resonator) and ((diameter or radius) near mirror\$2) and (transverse\$2 near mode\$2) and cavity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/06/05 15:02 |
| S5 | 4 | ((("5418641") or ("6178035")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/06/05 15:02 |
| S6 | 4054 | optical adj resonator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/06/05 14:08 |
| S7 | 31 | (parameter same (optical adj resonator)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 18:15 |
| S8 | 0 | (parameter same (optical adj resonator)) and sag | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 15:30 |
| S9 | 0 | (parameter same (optical adj resonator)) and mode adj effect | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 17:05 |

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| S10 | 27 | (optical adj3 resonator adj3 (constant or parameter)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/09/10 17:06 |
| S11 | 5 | (parameter same (optical adj resonator)) and tunable | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 18:16 |
| S12 | 3 | (parameter same (optical adj resonator)) and tunable and cavity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 18:22 |
| S13 | 1 | (optical adj resonator) and tunable and cavity and sag | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/10 18:24 |
| S14 | 17 | (optical adj resonator) and tunable and cavity and dielectric adj3 mirror | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/11 10:42 |
| S15 | 18 | resonator and tunable and cavity and dielectric adj3 mirror and flat and curv\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/12 09:25 |
| S16 | 0 | (curved near flat) adj3 optical adj3 cavity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/11 11:11 |
| S17 | 5 | (curved near flat) adj3 optical and cavity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/11 11:13 |
| S18 | 2 | (curved near flat) adj3 optical and cavity and laser | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/09/11 11:23 |
| S19 | 1 | "6377386" | USPAT | OR | OFF | 2002/09/11 11:38 |
| S20 | 4 | ("3612655" "5212584" "5418641" "6204970").PN. | USPAT | OR | OFF | 2002/09/11 11:31 |
| S21 | 16 | "5212584".URPN. | USPAT | OR | OFF | 2002/09/11 11:32 |
| S22 | 0 | "6377386".URPN. | USPAT | OR | OFF | 2002/09/11 11:33 |

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| S23 | 0 | "6377386".URPN. | USPAT | OR | OFF | 2002/09/11 11:33 |
| S24 | 0 | "6377386".URPN. | USPAT | OR | OFF | 2002/09/11 11:33 |
| S25 | 0 | "6377386".URPN. | USPAT | OR | OFF | 2002/09/11 11:33 |
| S26 | 0 | "6377386".URPN. | USPAT | OR | OFF | 2002/09/11 16:11 |
| S27 | 4 | ("3612655" "5212584" "5418641" "6204970").PN. | USPAT | OR | OFF | 2002/09/11 11:33 |
| S28 | 6 | ("4813756" "5361155" "5491582" "5625613" "5781341" "6040944").PN. | USPAT | OR | OFF | 2002/09/11 11:33 |
| S29 | 6 | ("3808554" "3825856" "4291281" "4477909" "4769614" "4797893").PN. | USPAT | OR | OFF | 2002/09/11 11:35 |
| S30 | 7 | "3825856" | USPAT | OR | OFF | 2002/09/11 11:38 |
| S31 | 7 | "3825856" | USPAT | OR | OFF | 2002/09/11 16:17 |
| S32 | 1 | "6377386" | USPAT | OR | OFF | 2002/09/11 16:54 |
| S33 | 1 | "6134259" | USPAT | OR | OFF | 2002/09/11 16:54 |
| S34 | 3 | "6185241" | USPAT | OR | OFF | 2002/09/12 09:25 |
| S35 | 4 | ((("20030057427") or ("20020181534") or ("20030052749") or ("6246711")). PN. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | OFF | 2003/05/11 14:52 |
| S36 | 1 | ("6370178").PN. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | OFF | 2003/05/11 14:52 |
| S40 | 375 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and mode\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 18:12 |
| S41 | 133 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and (transverse near mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 13:07 |
| S42 | 3 | ("6810062").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 13:02 |
| S43 | 107 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 13:10 |

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| S44 | 28 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 15:38 |
| S45 | 81 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:16 |
| S46 | 28 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 15:39 |
| S47 | 64 | S45 not S46 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 15:39 |
| S48 | 13 | ("20020048301" "3825856" "4126381" "4627732" "5418641" "5506858" "5608745" "5963578" "6134259" "6178035" "6185241" "6377386" "6393035").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/12/04 17:02 |
| S51 | 81 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:17 |
| S52 | 2 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) and (("4" "5" "6") near mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:19 |
| S53 | 7 | (multi-mode or (multi near mode)) same (optical near resonat\$6) same mode same ("4" or "5" or "6" or "7" or "8" or "9") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:22 |

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| S54 | 370 | (optical near resonat\$6) same mode same ("4" or "5" or "6" or "7" or "8" or "9") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:22 |
| S55 | 75 | (optical near resonat\$6) same mode same ("4" or "5" or "6" or "7" or "8" or "9") and (transverse near mode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:23 |
| S56 | 75 | ((optical near resonat\$6) same mode same ("4" or "5" or "6" or "7" or "8" or "9")) and (transverse near mode) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 17:23 |
| S57 | 28 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and mode\$2 and (("4" "5" "6") near mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 19:39 |
| S58 | 19 | (optical adj3 resonat\$3) and ((diameter or radius) near2 (mirror\$2 len\$2)) and mode\$2 and (("4" "5" "6") near mode\$2) and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 19:40 |
| S59 | 103 | (optical adj3 resonator) and ((diameter or radius) near mirror\$2) and mode\$2 and cavity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 14:11 |
| S60 | 81 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 20:11 |
| S61 | 30 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) and ((radius diameter sag) with (lens mirror\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 20:27 |
| S62 | 5 | (optical adj3 resonat\$3) and (stab\$4 with mode\$2) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) and ((radius diameter sag) with (lens mirror\$2)) and ((multi-mode\$2) ((multi plural\$2) near mode\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 20:34 |

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| S63 | 8 | (optical adj3 resonat\$3) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) and ((radius diameter sag) with (lens mirror\$2)) and ((multi-mode\$2) ((multi plural\$2) near mode\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 20:37 |
| S64 | 8 | (optical adj3 resonat\$3) and (transverse near mode\$2) and (@ad <"20010411" @rlad <"20010411") and (length near cavity) and ((radius diameter sag) with (reflector lens mirror\$2)) and ((multi-mode\$2) ((multi plural\$2) near mode\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/04 20:37 |
| S65 | 15 | (optical adj3 resonator) and ((diameter radius sag) near3 mirror\$2) and ((multi plural) near mode\$2) and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 14:14 |
| S66 | 18 | (optical adj3 resonator) and ((diameter radius sag) near3 mirror\$2) and ((multi plural) near2 mode\$2) and (length near cavity) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 14:25 |
| S67 | 12 | (optical adj3 resonator) and ((diameter radius sag) near3 mirror\$2) and ((multi plural) near2 mode\$2) and (length near cavity) and (concave convex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 14:40 |
| S68 | 3 | (optical adj3 resonator) and ((diameter radius sag) near3 lens) and ((multi plural) near2 mode\$2) and (length near cavity) and (concave convex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 14:45 |
| S69 | 54 | (optical adj3 resonator) and ((multi plural) near2 mode\$2) and (length near cavity) and (concave convex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:04 |
| S70 | 0 | (optical adj3 resonator) and (tem with mode\$2) and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens reflector)) and ((sag bend) near2 (mirror lens reflector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:08 |

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| S71 | 4 | (optical adj3 resonator) and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and ((sag bend) near2 (mirror lens refelector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:09 |
| S72 | 4 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and ((sag bend) near2 (mirror lens refelector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:09 |
| S73 | 122 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:10 |
| S74 | 4 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and (tem with mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:12 |
| S75 | 14 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and (tem\$3 with mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:14 |
| S76 | 45 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and (tem\$7 with mode\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:14 |
| S77 | 5 | resonator and (length near cavity) and (concave convex) and ((radius diameter) near2 (mirror lens refelector)) and (tem\$7 with mode\$2) and sag | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 15:51 |
| S78 | 17 | ((("6178035") or ("4126381") or ("4627732") or ("5418641") or ("5506858") or ("5608745") or ("5963578") or ("6185241")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/06 10:10 |
| S79 | 166 | sag near (mirror refector lens) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 10:11 |
| S80 | 7 | sag near (mirror refector lens) and resonator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 10:11 |

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| S81 | 7 | (sag near (mirror reflector lens)) and resonator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 10:20 |
| S82 | 7 | (sag near (mirror reflector lens concave convex)) and resonator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 10:21 |
| S83 | 24 | (sag with (mirror reflector lens concave convex)) and resonator | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/12/06 12:31 |